



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 48] नई दिल्ली, शनिवार, दिसम्बर 2, 1989, (अग्रहायण 11, 1911)

No. 48] NEW DELHI, SATURDAY, DECEMBER 2, 1989 (AGRAHAYANA 11, 1911)

इस भाग में निम्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 2nd December 1989

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The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

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III Floor, Lower Parel (West),
Bombay-400 013.

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC",
1-357 GI/89

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Amindivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees.—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्थ तथा अभिकल्प

कलकत्ता, दिनांक 2 दिसम्बर 1989

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोली स्ट्रीट
तीसरा तल, लोवर परले (पश्चिम),
बम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र
एवं संघ शासित क्षेत्र गोवा, दमन तथा दिव
एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोलबाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश
राज्य क्षेत्रों एवं संघ शासित क्षेत्र
चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,
61, बालासाह रोड,
मद्रास-600 002.

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र
एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिन्निकाय तथा एमिनिदिवि द्वीप ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय भवन,
5, 6 तथा 7 वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स” ।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अर्पित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख
पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए
जायेंगे ।

शुल्क :—शुल्कों की अवधि या तो नकद की जायेगी
अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनावेश
अथवा डाक आवेश या जहाँ उपयुक्त कार्यालय अवस्थित है; उस
स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक
ड्राफ्ट अथवा चेक द्वारा की जा सकती है ।

REGISTRATION OF PATENT AGENT

The following person has been registered as Patent Agent :
Shri Hemant Sahai,
C/o. M/s. Remfry & Son,
“Kanchenjunga”
18, Barakhamba Road,
New Delhi-110 001.

APPLICATION FOR PATENTS FILED AT THE
HEAD OFFICE

234/4, Acharya Jagdish Bose Road, Calcutta-20.

25th October 1989

887/Cal/89 Lanxide Technology Company, LP. Ceramic
composite bodies having a shape replicated por-
tion thereof and to method of making the same.
[Divisional dated on 1st June, 1987].

888/Cal/89 E. I. Du Pont De Nemours and Company. Spin-
noret Capillaries.

889/Cal/89. 1. Miroslava Mikhailovna Babkina, 2. Rimma
Andreevna Martynenkova, 3. Lev Abramovich
Dobrovinsky, 4. Leonid Alexandrovich Mirkov,
5. Svetlana Mikhailovna Firger, 6. Olga Julia-
novna Khenven, 7. Leon Velvelevich Nitsberg, 8.

Tatyana Villevna Klimova 9. Elena Vladimirovna
Svistunova, 10. Elena Stepanovna Radukan, 11.
Nikolai Alexandrovich Konovalenko. Method for
preparing water-diluted modified epoxyamino-
rubber adduct.

890/Cal/89. Kwei Chun Shek. A method of and apparatus
for the medical-therapeutic treatment of the
human body.

891/Cal/89 Samsung Electron Devices Co., Ltd. Shadow
mask frame for prevention of halation.

892/Cal/89 Samsung Electron Devices Co., Ltd. Shadow
mask frame assembly for color cathode ray tube.

26th October 1989

893/Cal/89 Haryana Sheet Glass Limited. Method of pro-
ducing Tinted Sheet Glass.

894/Cal/89 Metallgesellschaft Aktiengesellschaft. Recovery
of TiO_2 concentrates from TiO_2 -containing sub-
stances.

895/Cal/89 Emitec Gesellschaft Fur Emissionstechnologie
MBH. A hollow composite member.

896/Cal/89. 1. Vladimir Zinovievich Leikin, 2. Viktor Pavlovich Neradov, 3. Ivan Matveevich Dianov, 4. Pavel Mikhailovich Luzin, 5. Evgeny Dmitrievich Gorbunov 6. Vladimir Dmitrievich Gerasimov, 7. Vladimir Alexandrovich Baranchugov. Crushing Device.

897/Cal/89 ICI India Limited. A process for the preparation of 4-hydroxyphenyl acetic acid from sodium-4-hydroxymandelate monohydrate.

27th October 1989

898/Cal/89 Gur Charan Saini. Improvements in pressure cookers.

899/Cal/89 Josef Moser. Wind-Powered Rotor.

900/Cal/89 Krupp Koppers GmbH. Process and radiant cooler for radiant cooling of a product gas mass flow leaving a gasification reactor.

901/Cal/89 Hoechst Akatiengesellschaft. Process for the preparation of 4, 4'-dinitrodiphenylamine.

902/Cal/89 Manville Corporation. Inorganic fiber having superior solubility insaline solutions.
[Divisional dated 17th February, 1987].

903/Cal/89 PED Limited. Improvements in electromagnetic devices. (Convention dated 9th November, 1988) U.K. (8826253.0).

904/Cal/89 Samsung Electron Devices Co., Ltd. Pre-coating composition for luminescent screen of cathode ray tube.

905/Cal/89 Alpha Beta Technology. Glucan Dietary Additives.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, THIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13.

29-9-1989

267/BOM/1989 Hemant Madhukar Ranadive—Tyre pressure gauge.

3-10-1989

268/BOM/1989 Rajnikant Devidas Shroff and Manchu Soma Warli—Preparation on a commercial scale of high purity phosphorus pentachloride in the form of free flowing powder ready for use.

269/BOM/1989 Hindustan Lever Ltd. 30th July 86, Gr. Britain—An aqueous single phase composition.

4-10-1989

270/BOM/1989 Robin Frank Todel—A card holder.

6-10-1989

271/BOM/1989 Hindustan Lever Ltd. 7th Oct 1988, Gr. Britain—Soap compositions.

272/BOM/1989. Hindustan Lever Ltd. 7th Oct 1988, Gr. Britain—Oral compositions.

273/BOM/1989 Narathe Research Foundation—Bass (Bapat Automobile Speed System).

274/BOM/1989 The Associated Cement Companies Limited. —An improved method of manufacturing insulating refractory shapes known as 'Porosint'.

275/BOM/1989 The Associated Cement Companies Limited. —Improved process for manufacturing shaped refractories with 60% and 70% Al_2O_3 from powdered high aluminous raw materials green aggregates for producing refractories by single stage firing and shaped refractories known as 'MULSINT' made by said process.

ALTERATION

165660 Anti-dated 25th January, 1985.

(658/Cal/88)

165667 Anti-dated 27th May, 1982.

(1032/Cal/85)

OPPOSITION PROCEEDINGS

The opposition entered by IDL Chemicals Limited to the grant of a patent on application No. 150053 made by Indian Explosives Limited as notified in the Gazette of India, Part III, Section 2 dated 1st January, 1983 has been dismissed and it is ordered that a patent be sealed on the application in the prescribed manner.

OPPOSITION PROCEEDINGS

The Opposition entered by IDL Chemicals Limited to the grant of a patent on application No. 152443 made by Indian Explosives Limited, as notified in the Gazette of India, Part III, Section 2 dated 30th June, 1984 has been allowed and it is ordered that a patent shall not be sealed on this application.

PATENTS SEALED

160790 164411 164413 164414 164415 164416 164418 164419
164427 164432 164433 164434 164438 164439 164440 164490
164519 164530 164532 164538

CAL - 3
DEL - 15
BOM - 1
MAS - 1.

RENEWAL FEES PAID

143521 143785 143958 144400 145131 145752 146287 146975
147262 147783 147898 149900 150213 150373 150628 150673
150813 150879 150973 151667 151820 151861 152870 153014
153015 153286 153621 153873 154127 154194 154618 154718
155036 155216 155427 155569 155790 156690 156713 156714
157556 157616 157688 157702 158101 158169 158233 158707
158715 159490 159669 159688 159768 159954 160414 160431
160483 160729 160954 161093 161095 161196 161197 161391
161538 161656 161657 161684 161734 161740 161743 161839
161890 162041 162048 162137 162138 162165 162228 162276
162277 162374 162394 162395 162438 162471 162473 162561
162601 162602 162661 162692 162767 162971 162972 162974
162979 162980 163017 163125 163127 163128 163129 163137
163151 163157 163158 163205 163249 163292 163314 163315
163342 163343 163364 163424 163430 163479 163503 163547
163603 163607 163610 163771 163778 163875 163883 164071
164074 164112 164332 164402 164444

CESSATION OF PATENTS

151072 151074 151077 151078 151082 151084 151092 151093
151094 151095 151096 151098 151099 151104 151105 151108
151109 151111 151114 151134 151135 151136 151138 151142
151143 151144 151145 151148 151151 151156 151157 151160
151161 151164 151170 151171 151172 151173 151174 151175
151179 151182 151183 151185 151187 151206 151211 151212
151213 151214 151215 151217 151219 151220 151221 151222
151223 151224 151225 151226 151227 151229 151233 151235
151236 151237 151239 151240 151242 151243 151244 151246
151250 154457

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 162201 granted to Kumar Balaram Bhatia for an invention relating to "an improved 'press-and-read type' hardness tester for testing metal hardness".

The Patent ceased on the 16th April 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2 dated the 30-9-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 2nd February, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 159377 granted to Sulzer Brothers Limited for an invention relating to "a gate valve for steam or water pipes".

The Patent ceased on the 27th May 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2 dated the 30-9-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 2nd February, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 151968 granted to Kananbir Singh Sandhu, Karnail Singh Grewal and Rajinder Singh Grewal for an invention relating to "device for Converting the animal captive energy".

The Patent ceased on the 6th July 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2 dated the 30-9-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 2nd February, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 159376 granted to Sulzer Brothers Limited for an invention relating to "distribution valve for distributing a medium flow on two flow paths".

The Patent ceased on the 27th May 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2 dated the 30-9-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 2nd February, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 162414 granted to Gujarat Narmada Valley Fertilizers Company Limited for an invention relating to "an apparatus for refrigeration by use of liquid nitrogen".

The Patent ceased on the 8th May 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2 dated the 30-9-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 2nd February, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 158218 granted to Societe Nationale Elf Aquitaine (Production) for an invention relating to "process for the synthesis of mercaptans from olefines and sulfure hydride by heterogen catalysts".

The Patent ceased on the 2nd August, 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2 dated the 30-9-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 2nd February, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 158802 granted to Jay Machinery Manufacturing Company Pvt. Ltd. for an invention relating to "a push fitting device for flexible tubes in pneumatic and hydraulic lines".

The Patent ceased on the 20th April 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2 dated the 15-4-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 2nd February, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(8)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 153563 granted to Indian Institute of Technology for an invention relating to "a process for the manufacture of ethyl alcohol".

The Patent ceased on the 28th February 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2, dated the 30-9-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 2nd February, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(9)

Notice is hereby given that an application for restoration of Patent No. 153116 dated the 17th November 1979 made by Unisystems Private Limited on the 3rd October 1988 and notified in the Gazette of India, Part III, Section 2 dated the 11th February 1989 has been allowed and the said Patent restored.

(10)

Notice is hereby given that an application for restoration of Patent No. 159783 dated the 2nd May 1984 made by Hindustan Lever Limited on the 27th January 1989 and notified in the Gazette of India, Part III, Section 2, dated the 6th May 1989 has been allowed and the said Patent restored.

(11)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 161936 granted to Union Carbide India Limited for an invention relating to "a process for preparing a monoalkylether of Catechol".

The patent ceased on the 21st February 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2, dated the 30-9-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 2nd February, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(12)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 162067 granted to Union Carbide India Limited for an invention relating to "a process for the preparation of insecticidally active 2-iso-propoxyphenyl methyl Carbamate".

The Patent ceased on the 13th April, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2, dated the 30-9-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 2nd February, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of Patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Offices, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तराष्ट्रीय वर्गीकरण के अनुरूप है।"

नीचे सूची गत विनिर्देशों की सीमित संख्या में मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8 किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथा प्रवर्णित विनिर्देशों की संख्या संलग्न रखनी चाहिए।

रूपान्कन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों; के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता, द्वारा विहित लिप्यान्तरण प्रभार (उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है)। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/-रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

CLASS : 194-C,

165641

Int. Cl. : H 01 j 29/88.

CATHODE RAY TUBE AND METHOD OF MANUFACTURING A CATHODE RAY TUBE.

Applicant : N. V. PHILIPS' GLOEILAMPENFABRIEKEN, AT GROENEWOUDSEWEG 1, EINDHOVEN, THE NETHERLANDS.

Inventors : (1) GERARDUS ARNOLDUS HERMAN MARIA VRIJSEN, (2) TIERK GERRIT SPANJER.

Application No. 292/Cal/86 filed April 15, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Cathode ray tube having an envelope comprising :

a screen and an electron gun situated inside the envelope opposite to the screen;

the electron gun comprising a beam forming part with a number of electrodes and a focusing lens;

characterised in that the focussing lens comprises a high-ohmic resistance layer having a spiral shape and in that the electron gun comprises a glass tube;

the high-ohmic resistance layer being provided on an inner wall portion at one end of the glass tube and the electrodes are provided coaxially on an inner wall portion at the other end of the glass tube in adjoining places where the diameters of the inner wall differ.

Compl. specn. 13 pages

Drg. 1 sheet

CLASS : 40-I

165642

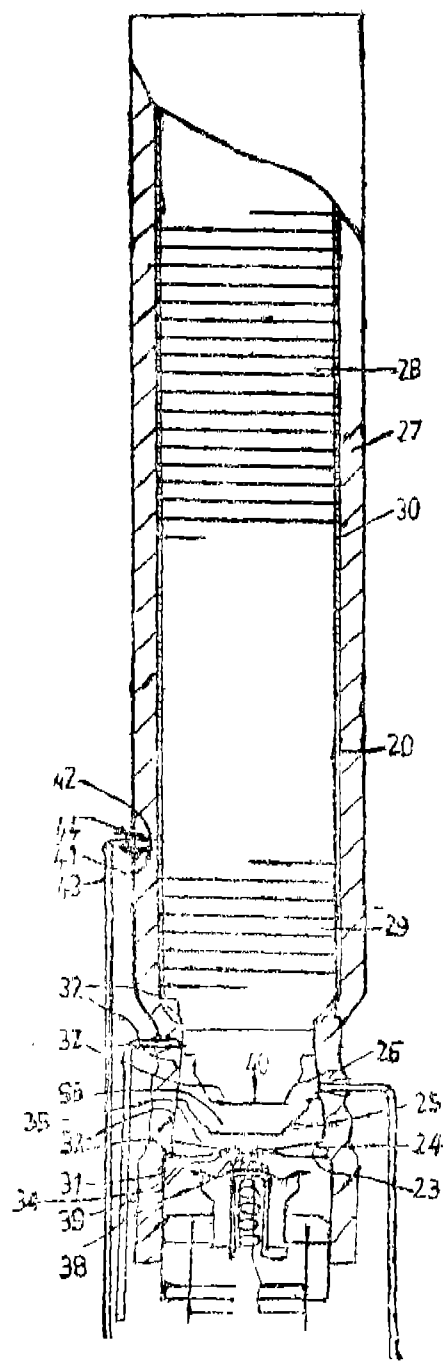
Int. Cl. : G 01 n 21/00.

IMPROVEMENTS IN OR RELATING TO IMPROVED AUTOMATED ACOUSTO-OPTIC INFRA-RED ANALYZER SYSTEM FOR MONITORING STACK EMISSIONS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : (1) FREDERICK MERK RYAN, (2) ROBERT LEONARD NELSON.

Application No. 337/Cal/1986 filed April 30, 1986.



Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A broad-band automated acousto-optic tunable filter multi-gas infra-red analyzer system comprising :
means for directing infra-red radiation through an environment of interest containing species to be analyzed;

an acoustooptic tunable filter with an optically aligned acousto-optic crystal through which the infra-red radiation is passed at a predetermined angle relative to the crystal optic axis;

an acoustic transducer means coupled to a variable frequency RF energy source and to the acousto-optic crystal to launch acoustic waves in the crystal

to interact with a selected narrow bandwidth portion of the radiation to make it distinguishable from the remaining infrared radiation, which selected narrow bandwidth portion is a function of the frequency of the RF energy and acoustic waves;

said selected narrow bandwidth portion being angularly displaced with respect to the non-selected infrared radiation passed through said acousto-optic tunable filter, means for directing the infra-red radiation upon said acousto-optic tunable filter prior to modification of the infra-red radiation by the absorption characteristics of a given species within the environment of interest characterised by infra-red radiation detection means which detects the angularly displaced;

selected narrow bandwidth portion of the infra-red radiation after the angularly displaced selected narrow bandwidth portion has passed through the environment of interest, which detection means generates an output electrical signal as a function of the detected radiation;

said detection means being disposed in relation to said acousto-optic tunable filter and the infra-red radiation source in opposite sides with respect to the environment of interest so that the angular displacement of the selected narrow bandwidth portion is adequate to separate it spatially from the broad-band non-selected radiation at said detection means, and computing means to which the detection means output electrical signal is applied for determining the species present in the sample cell, including means for pulsed operation of the RF energy source to determine the timing and frequency of RF energy applied to the acoustic transducer mated to the acousto-optic crystal to determine the infra-red wavelength selectivity or tuning of the acousto-optic tunable filter, whereby the pulsed operation permits discrimination by said detection means between pulsed emission means of the selected narrow bandwidth portion and emissions from the environment of interest.

Compl. specn. 17 pages

Drg. 2 sheets

Int. CLASS : A 61 k 45/00

165643

A PROCESS FOR PREPARING A SYNERGISTIC COMPOSITION FOR TOPICAL APPLICATION FOR INHIBITING MELANIN GENERATION.

Applicant : SANSHO SEIYAKU CO. LTD., OF 26-7, OIKE 2-CHOME, OHNOJO-SHI, FUKUOKA-KEN, JAPAN.
Inventors : YASUAKI OHYAMA.

Application No. 348/Cal/1986 filed May 05, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents ules, 1972) Patent Office, Calcutta.

1 Claim

A process for preparing a synergistic composition for topical application for inhibiting the malanin generation which enables easy skin absorption and cellular access to the traget site without inhibiting any tyrosinase activity comprising incorporating from 0.1 to 3.0% (w/w) of Vitamin E and/or a vitamin E derivative as herein described, in a dissolved or suspended state or as a liposome as herein described in an aqueous phase part of known topical agent in the presence of a surfactant as herein described.

Compl. specn. 18 pages

Drg. 1 sheets

CLASS : 156-C & D

165644

Int. Cl. : F 04 d 1/00, 29/42.

CENTRIFUGAL PUMP CASING.

Applicants : (1) KLEIN, SCHANZLIN & BECKER AKTIENGESSELLSCHAFT, OF POSTFACH 225, JOHANN-

KLEIN-STRASSE 9, D-6710 FRANKENTHAL (PFALZ), WEST GERMANY; (2) LOWARA SPA, OF VIA DOTT. VITTORIO LOMBARDI, 36075 MONTECCHIO MAGGIORE VICENZA, ITALY.

Inventors : 1. JORG STARKE, 2. ROLF SCHERER
3. RENZO CHIOTTO, 4. PRIMO LOVISETTO.

Application No. 363/Cal/86 filed May 13, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents ules, 1972) Patent Office, Calcutta.

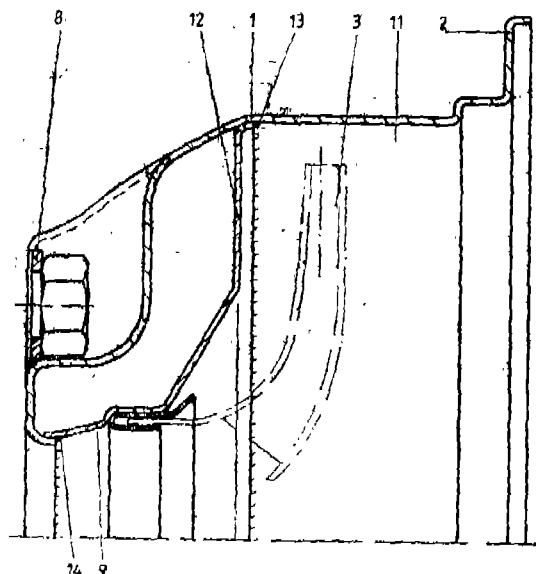
6 Claims

A centrifugal pump casing fitted at the pressure-side to a bearing bracket or block motor with a mounting flange provided with pump-suction and pump-discharge nozzles in the pumpshaft axis, constructed of sheet metal and characterized by :

a casing shell (1) is in the form of a single or multiple sheet metal module having suction-side connecting flange (4, 15) integrally formed into the casing shell (1) and wherein the region of the bore holes, several bead-like clearings (6) are provided for flange screw fastening.

Compl. specn. 9 pages

Drg. 6 sheets



CLASS : 47-C & A; 71-G; 116-G; 198-A B D 165645

Int. Cl. : C 10 b 1/00, F 10 F 3/00.

METHOD OF PRODUCING COAL-WATER FULE FROM RAW COAL AND APPARATUS FOR CARRYING OUT SAID METHOD.

Applicant : THE BABCOCK & WILCOX COMPANY, 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LA 70160, U.S.A.

Inventors : 1. RALPH DOMINIC DALEY, (2) KEVIN EUGENE REDINGER.

Application No. 383/Cal/86 filed May 20, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

23 Claims

A method of producing coal-water fuel from raw coal, comprising the following steps characterised in that the said steps are carried out according to following sequence :

breaking up the raw coal to form liberated granular coal;

adding water and chemicals known per se to the liberated granular coal in a froth floatation process for removing ash and coarse pyritic sulfur from the granular coal to form a reduced-ash and sulfur coal;

adding water and chemicals known per se to the reduced-ash coal in a reverse floatation process for removing pyrite from the reduced-ash coal to form reduced-ash and reduced-pyrite coal to form a dewatered coal; and

preparing a slurry from the dewatered coal which has selected size distribution, the slurry being useable as coal-water fuel.

Compl. specn. 30 pages

Drg. 2 sheets

Int. CLASS : A 61 k 31/33; C 07 d 275/00 165646

PROCESS FOR THE PREPARATION OF THIAZOLIDINECARBOXYLIC ACID DERIVATIVES.

Applicant : BIOGAL GYOGYSZERGYAR, OF 4042 DEBRECEN, PALLAGI UT 13, HUNGARY.

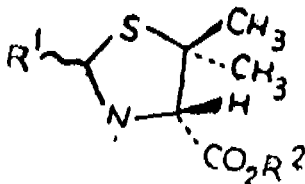
Inventors : 1. DR. ZOLTAN GYORGYDEAK, 2. DR. ISTVAN KOVACS, 3. DR. REZSO BOGNAR, 4. DR. GEZA HORVATH, 5. DR. TEREZIA MILE, 6. JUDIT KRUSPER NEE HAM, 7. DR. FERENC PUSZTAI, 8. MARIANN FEKETE NEE HUSKA, 9. DR. SANDOR JANCOS, 10. DR. JANCOS BALINT, 11. DR. ILDIKO MIHOK NEE BORBELY, 12. ATTILA JAKAB, 13. DR. ANDRAS JENEI, 14. DR. BELA SZENDE, 15. DR. KAROLY LAPIS.

Application No. 416/Cal/86 filed June 4, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A process for the preparation of a novel thiazolidine-4(s)-carboxylic acid derivatives of the general formula (I) of the accompanying drawings,

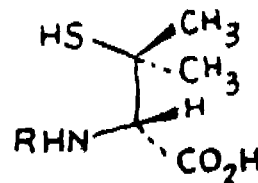


Formula (I)

wherein R¹ stands for an optionally substituted furyl, pyrrolyl, benzothienyl, phenyl, pyridyl, quinoliny, isoquinoliny or indanyl group or a C₁₋₄ alkyl or C₂₋₄ alkenyl group optionally substituted by a hydroxyl, carboxyl or halogen fenoxo group,

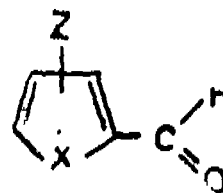
R² stands for hydrogen, an alkaline metal or an alkaline earth metal atom or an optionally substituted C₁₋₄ alkyl group or aryl group,

R³ represents hydrogen or an optionally substituted C₁₋₄ alkyl or acyl group or aryl group as well as their salts, which comprises reacting, in an aqueous or water-miscible organic solvent medium at a temperature not exceeding 100°C, a compound of the general formula (x)

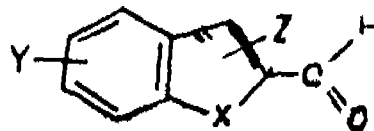


Formula (X)

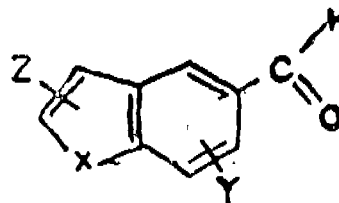
wherein R stands for hydrogen or an acyl group, with an aldehyde selected from the general formula (VI), (VII), (VIII), (IX), (IXa), (XI) or (XIa),



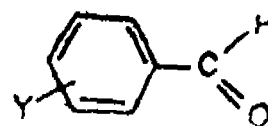
Formula (VI)



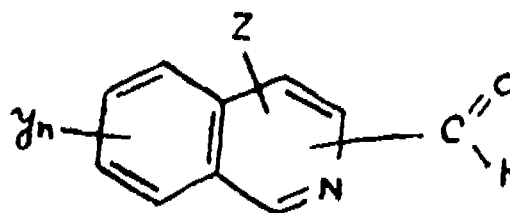
Formula (VII)



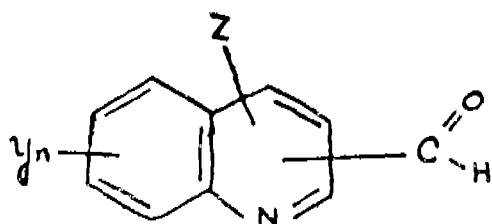
Formula (VIII)



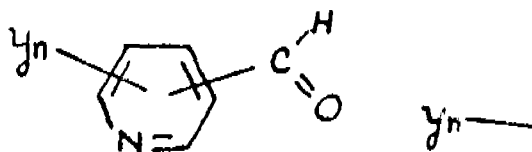
Formula (IX)



Formula (IXa)



Formula (XI)



Formula (XIa)

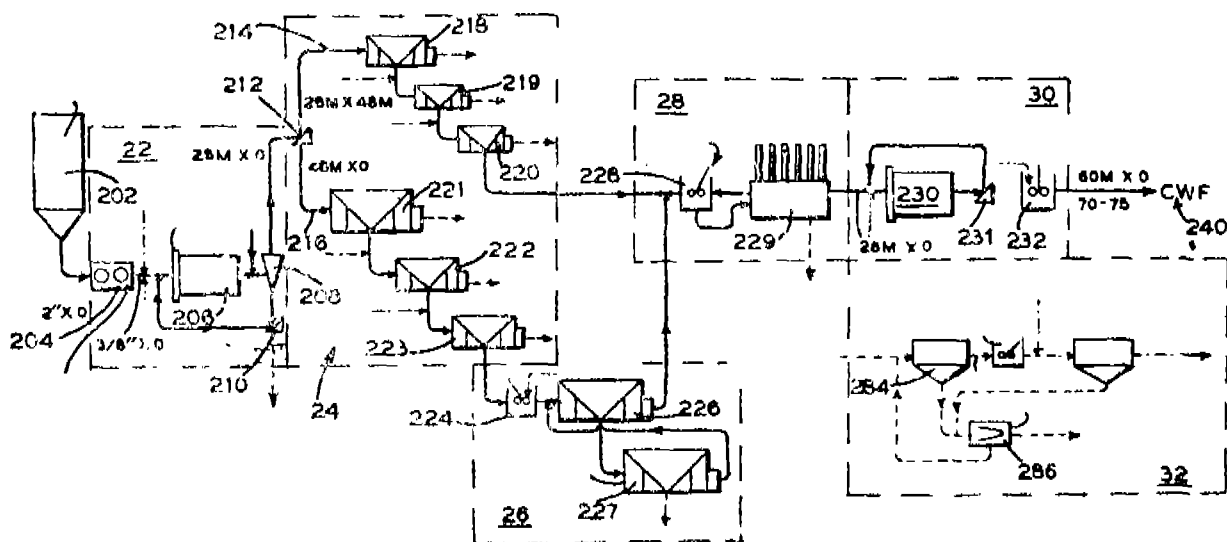
wherein x stands for oxygen, sulphur or nitrogen and in the formula (VII) and (VIII) X can also represent a carbonatom,

Z stands for hydrogen, halogen or an optionally substituted C_{1-4} alkyl or C_{1-4} alkoxy group or a nitro, mercapto, amino, hydroxyl, carboxyl or acyl group; and

Y stands for hydrogen, halogen, a C_{1-4} alkyl or acyl group optionally substituted by a hydroxyl group, or a mercapto, nitro, carboxyl, hydroxyl or acyloxy group, and n means 1, 2 or 3, thus-obtained compound of the general formula (I), wherein R^2 is hydrogen being capable of converted to the corresponding alkaline metal or alkaline earth metal salt thereof in a manner as herein described.

Compl. specn. 54 pages

Drg. 2 sheets



CLASS : 105-A & C

165647

Int. Cl. G 04 b 19/00.

AN ELECTRICAL DEVICE FOR DETERMINING THE DAY OF THE WEEK FOR ANY PAST, PRESENT OR FUTURE DATE.

Applicant & Inventor : DULAL DUTTA, OF 35, DURGAPUR COLONY, CALCUTTA-700053, WEST BENGAL, INDIA.

Application No. 422/Cal/86 filed June 5, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An electrical device for determining the day of the week for any past, present for future date, having a circuit wherein 49 numbers of neon bulbs are arranged in seven horizontal and seven vertical rows with the negative leads of the crosswisely disposed bulbs being connected to each other, while the positive leads of the vertically disposed bulbs being connected to each other, and each horizontal row of the bulbs representing a day of the week in the order of sunday to saturday as indicated by the chart A of Figure 1 of the accompanying drawings,

2-357 GI/89

the positive leads of the said seven vertical rows of the said bulbs being connected through seven numbers of DN-DF switches to seven points of a "Date" chart arranged according to predetermined calculation and as shown in chart B of Figures 1 of the accompanying drawings, while all the negative leads of the bulbs being connected through seven numbers of band switches, each having seven numbers of band points to which the seopective negative leads are connected said band switches representing the months of a chart arranged according to predetermined calculation and as shown seven numbers of band points, to which the seopective regative leads connected said band switches representing the months of a chart arranged according to predetermined calculation and as shown in chart C of figure 1 of the accompanying drawings, said 7 numbers of band points of each said band switch being connected to each other and seopective connections are made seven numbers of DN-OFF switches to seven horizontal rows of a year chart sepective arranged according to predetermined calculation and as shown in chart D of figure 1 of the accompanying drawings,

the positive terminal of the mains supply being adapted to be connected to the said seven points of the date chart while the negative terminal of the mains supply being adapted to be connected to the said seven horizontal rows of the year chart, the arrangement being

such that by putting on the particular ON-OFF switch for the desired date in the said date chart and by putting on the particular band switch for the desired month in the said month chart, and by putting on the particular ON-OFF switch for the desired date in the said date chart, the requisite circuit is completed to illuminate the particular neon bulb for correctly indicating the day of the week.

Compl. specn. 10 pages

Drg. 2 sheets

CLASS : 144-A & B

165648

Int. Cl. C 09 c 3/00.

PROCESS OF PREPARING PERLESCENT PIGMENTS.

Applicant : MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG 6100 DARMSTADT 1, FRANKFURTER STR. 250 FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. DR. KLAUS DIETER FRANZ, 2. DR. KLAUS AMBROSIOUS.

Application No. 473/Cal/86 filed 25 Jun, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

Process for preparing per Lescent pigments by coating platelet-like substrates such as mica with an iron and titanium containing metal oxide layer, characterized and that first a titanium dioxide or titanium dioxide hydrate layer is applied into the surface of the substrate by precipitation, this precipitation being effected in a manner known per se in such a way that a rutile layer is formed on calcination of this pigment and in that before or after calcination of this ployet an iron oxide or hydroxide layer is precipitated on same and the pigment is separated off, where appropriate washed and calcined.

Compl. specn. 9 pages

Drg. Nil

CLASS : 128-E

165649

Int. Cl. : A 61 b 5/04.

ELECTRODE SECUREMENT SHEET.

Applicant : FUKUDA DENSHI CO. LTD., OF 39-4, HONGO 3-CHOME, BUNKYO-KU, TOKYO 113, JAPAN.

Inventors : 1. HIROKATSU INOUE, 2. CHUJI SHIMIZU.

Application No. 1/Cal/86 filed January 1, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

An electrode securement sheet comprising :

- a substantially circular, extensible porous electrode securement section secured to the skin surface of a living body to cover an electrode held in close contact with the skin surface for deriving a weak current from the living body;

- a lead securement section integrally extending from the electrode securement section for securing, to the skin surface, a lead for leading the weak current extracted through said electrode to an electrocardiogram;

- a substantially rectangular lead securement piece provided separately of said electrode securement section and lead securement section; and

- a cardboard, said electrode securement section with said lead securement section and said lead securement piece being separately bonded to said cardboard, said cardboard having separation assisting lines provided in portions corresponding to said electrode securement section lead securement section and lead securement piece for facilitating the separation of these securement sections and pieces from said cardboard.

Compl. specn. 14 pages

Drg. 4 sheets

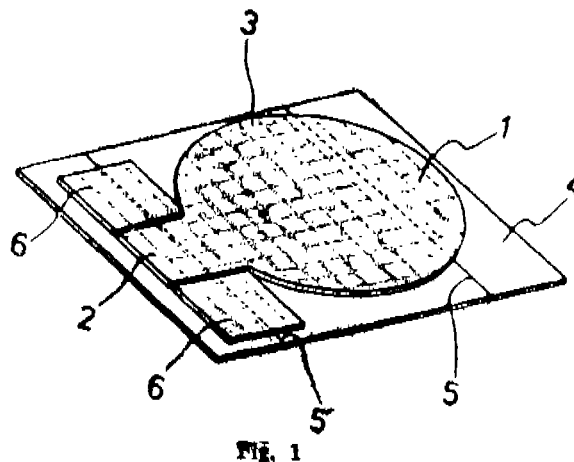


Fig. 1

Class. 128-E.

165650.

Int. Cl. A61b 5/04.

ELECTRODE SECUREMENT SHEET.

Applicant : FUKUDA DENSHI CO., LTD. of 39-4, HONGO 3-CHOME, BUNKYO-KU, TOKYO 113, JAPAN.

Inventors : 1. HIROKATSU INOUE, 2. CHUJI SHIMIZU

Application No. 3/Cal/86 filed January 1, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

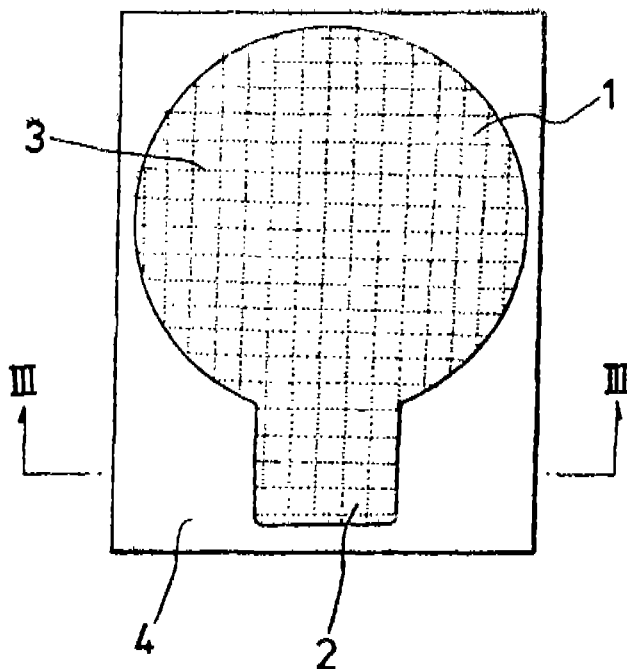
4 Claims

An electrode securement sheet comprising :

- a substantially circular, extensible porous electrode securement section to be secured to the skin surface of a living body to cover an electrode held in close contact with the skin surface for deriving a weak current from the living body;

- a lead securement section integrally extending from the electrode securement section for securing, to the skin surface, a lead for leading the weak current extracted through said electrode to an electrocardiogram; and

a cardboard, said electrode securement section with said lead securement section being separably bonded to said cardboard.



Compl. Specn. 12 pages.

Drg. 4 sheets.

Class. 90G.

165651.

Int. Cl. C03c 5/00.

METHOD FOR PRODUCING HIGH STRENGTH FELDSPATHIC PORCELAIN.

Applicant : NGK INSULATORS, LTD., OF 2-56, SUDA-CHO, MIZUHO-KU, NAGOYA CITY, AICHI PREF., JAPAN.

Inventor : 1. ISAO ODA.

Application No. 12/Cal/86 filed January 03, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A method for producing high strength feldspathic porcelain having an unglazed bending strength of more than $1,400 \text{ kg/cm}^2$ and being free from defects larger than $40 \mu\text{m}$, comprising steps of preparing a starting material selected from the group consisting of quartz type material, feldspathic material, and alumina type material; pulverizing the starting material so as to make 85-95% by weight thereof into particles with effective diameters not greater than $10 \mu\text{m}$; calcining the pulverized material at $900-1,400^\circ\text{C}$; mixing clay-mineral material with the calcined material and pulverizing mixture thus produced or mixing clay-mineral material with pulverized calcined material so as to make not greater than 85% by weight thereof into particles with effective diameters not greater than $10 \mu\text{m}$; forming and drying the pulverized mixture; and firing the formed and dried mixture at $1,000-1,400^\circ\text{C}$, where said porcelain thus produced contains a crystal phase formed of at least one kind crystals selected from the group consisting of corundum, mullite, cristobalite, and quartz, said crystal phase having a grain size of not greater than $20 \mu\text{m}$ and a total degree of crystallinity of more than 40% by weight.

Compl. Specn. 40 pages.

Drg. 5 sheets.

Class. 194-B.

165652.

Int. Cl. H01j 1/00.

GAIN CONTROLLED ELECTRONIC BALLAST SYSTEM.

Applicant : INTENT PATENTS A.G., c/o TIMOTHY ELWES, 7 Storey's GATE, WESTMINSTER, LONDON, SWLP3AT, UNITED KINGDOM.

Inventor : 1. JACQUES MARIE HANLET.

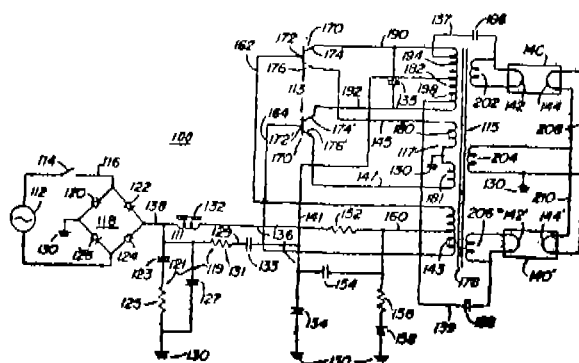
Application No. 69/Cal/86 filed January 30, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A gain controlled electronic ballast system having a power source for actuating at least one gas discharge tube with a driving current, comprising :

- filter means connected to said power source for (1) maintaining a substantially smooth direct current voltage signal, and, (2) suppressing harmonic frequencies generated by said electronic ballast;
- induction means coupled to said filter means and having a tapped primary winding for generating a voltage across said gas discharge tube responsive to said driving current said induction means having a multiplicity of secondary windings where on of said secondary windings is a switching control winding for generating a switching signal;
- switching means coupled to said induction means for establishing said driving current at a substantially constant and predetermined frequency responsive to said switching signal established by said switching control winding of said induction means.



Compl. Specn. 51 pages.

Drg. 2 sheets.

Class. 206-E.

165653.

Int. Cl. G08c 17/00.

A SYSTEM FOR THE DETERMINATION OF MOVEMENT SEQUENCES IN RUNNING EVENTS.

Applicant : PUMA-SPORTSCHUHFABRIKEN RUDOLF DASSLER KG., OF 13, WURZBURGER STRASSE, D-8522 HERZOGENAUACH, FEDERAL REPUBLIC OF GERMANY.

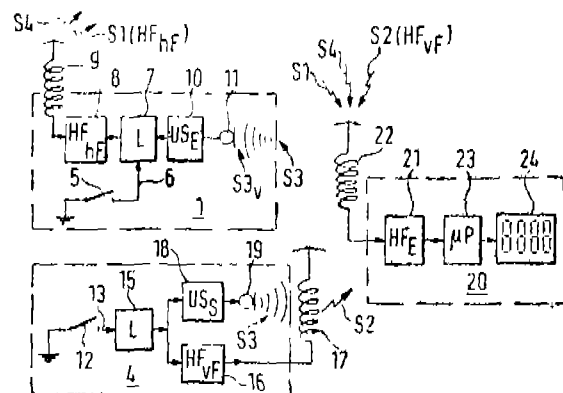
Inventors : 1. ARMIN ADOLF DASSLER,
2. GERHARD FIRNER,
3. HEINZ GERHAUSER.

Application No. 114/Cal/86 filed February 17, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A system for the determination of movement sequences of motions in the shoes for the running events, having a sensor for ground contact or pressure provided in the shoes, wherein one first pressure sensor (5) responding during lifting from the ground below (14) and a first transmitter (8) localizable by this sensor and thus releasing one first signal (S1) as also a first receiver (10) responding to acoustic and/or electromagnetic emission is provided in at least one shoe (2 or 3) this receiver similarly adapted to localize the first transmitter (8); a second sensor (12) responding while impinging on the ground below (14) and at least a second transmitter (16) localizable by this sensor, this transmitter being adapted to release a second output signal (S2) on being localized through the second sensor (12); the second transmitter (16) or a third transmitting (18) being adapted to release a third output signal (S3) by localizing through the second sensor (12), this output signal being received by the first receiver (10) of the shoe (2) and the first receiver (10) being also adapted to send out a fourth output signal (S4) released by the third output signal (S3) received over the first transmitter (8); and a second receiver (21) coordinated with the said components and adapted to receive the first, the second and the fourth signals (S1), (S2), (S4) and discriminate them according to the origin and time and feed the driving signals corresponding to these signals or derived from said signals to an evaluating device (23) coordinated to the second receiver (21), this evaluating device determining the sequences of motion according to time and path from the driving signals.



Compl. Specn. 15 pages.

Drg. 2 sheets.

Class : 15-C.

165654

Int. Cl. F16c 19/00.

AN APPARATUS FOR ROTATABLY SUPPORTING A SHAFT OF A ROTATING MACHINE.

Applicant : GENERAL ELECTRIC COMPANY, AT 1 RIVER ROAD, SCHENECTADY, STATE OF NEW YORK, 12305, UNITED STATES OF AMERICA.

Inventor : 1. JAMES DENNIS MCHUGH.

Application No. 162/Cal/86 filed March 05, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

Apparatus for rotatably supporting a shaft of a rotating machine comprising :

at least one bearing at least partially surrounding a surface of said shaft;

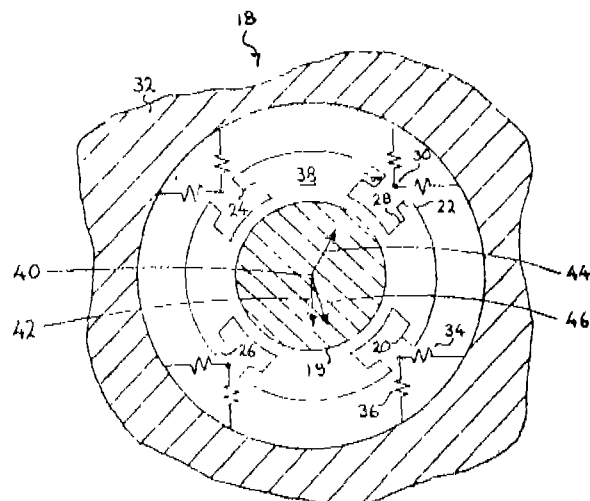
means for mounting said at least one bearing member in said rotating machine;

said means for mounting including at least first and second resilient support devices;

said at least first and second resilient support devices including first and second support axes respectively;

said first and second support axes being angularly displaced from each other; and

said at least first and second resilient support devices having different stiffness or spring constants whereby a support anisotropy is achieved.



Compl. Specn. 19 pages.

Drg. 3 sheets.

Class.

165655.

Int. Cl. A01b 31/00.

SUBSTRATE FOR SOIL-LESS CULTIVATION.

Applicant : ISOVER SAINT-GOBAIN, "LES MIROIRS" OF 18, AVENUE D'ALSACE, F 92400 COURBEVOIE, FRANCE.

Inventor : 1. JEAN-PAUL MEUNIER.

Application No. 319/Cal/86 filed April 24, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Substrate for soil-less cultivation comprising a felt of glass wool/fibres having a volumetric mass below 50 kg/cu.m, said fibres having a mean diameter less than 8 micrometers.

Compl. specn. 26 pages

Drg. Nil

CLASS : 160-D

165656

Int. Cl. : B 60 g 17/00, 23/00.

VEHICLE SUSPENSION SYSTEM WITH ONE OR MORE SHOCK ABSORBERS.

Applicant & Inventor : JAN RYDH SCHNITTGER, OF 135 PUTNAM ROAD, HOLDEN, MASSACHUSETTS 01520, UNITED STATES OF AMERICA.

Application No. 320/Cal/86 filed April 24, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims

Vehicle suspension system with one or more shock absorbers, each shock absorber comprising :

- a hydraulic cylinder, receiving therein hydraulic liquid;
- a piston working in said cylinder, partitioning the interior of said cylinder into an upper chamber and a lower chamber;

damping force generating means controlling flow from said upper and lower chambers including adjustable valve means controlled by control means to be in a soft mode to provide soft damping characteristics or in a stiff mode to provide stiff damping characteristics in either the compression stroke or the expansion stroke of said shock absorber;

said control means being responsive to signals from sensors for signalling the vertical speed (y, x) and/or acceleration (x, y) of the vehicle body (y) or the wheel (x), said signal being entered into a signal processor in said control means to impart either of said soft or stiff characteristics by means of said adjustable valve means;

Comprising :

first valve means providing a variable damping force in the compression stroke; and

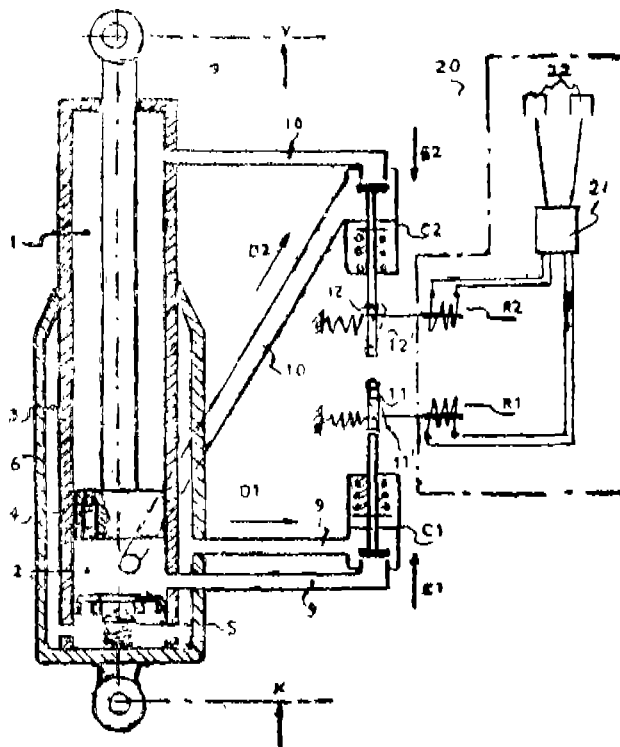
second valve means providing a variable damping force in the expansion stroke;

characterized in that :

said first valve means include a first controllable valve which is closed to flow during said expansion stroke and which has two states of operation during said compression stroke under the control of said control means, namely on one hand a closed state in which the flow path from said lower chamber is closed to provide a relatively stiff damping mode by the further valve means and on the other hand an open state in which the flow path from said lower chamber is relatively unrestricted to provide a relatively soft damping mode; and

said second valve means include a second controllable valve means, which is closed to flow during said compression stroke and which has two states of operation during said expansion stroke under the control of said control means namely on one hand a closed state in which the flow path from said upper chamber is closed to provide a relatively stiff damping mode by the further valve means and, on

the other hand an open state in which the flow path from said upper chamber is relatively unrestricted to provide a relatively soft damping mode.



Compl. specn. 23 pages

Drg. 1 sheet

CLASS : 32-F₂b

165657

Int. Cl. : C 07 c 85/00, 87/00, 133/00.

A PROCESS FOR PRODUCING DIMETHYLAMINE.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, AT WILMINGTON DELAWARE, U. S. A.

Inventors : 1. HORACIO ENRIQUE BERGNA, (2) DAVID RICHARD CORBIN, 3. GEORGE CARL SONNICHSEN.

Application No. 322/Cal/86 filed April 24, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A process for producing dimethylamine, comprising :

reacting methanol and/or dimethylether and ammonia, in amounts sufficient to provide a carbon/nitrogen (C/N) ratio from about 0.2 to about 1.5 and at a temperature from about 250° to about 450°C;

in the presence of a catalytic action of the zeolite characterized in that the said zeolite is a modified acidic zeolite selected from the group consisting of chabazite, erionite, ZK-5, and rho, the zeolite having been modified by treatment with at least one compound as herein described containing the element silicon, to deposit substantially on the external surfaces thereof at least 0.05 weight percent of the element.

Compl. specn. 62 pages

Drg. Nil

CLASS : 68-D & E₃

165658

Int. Cl. : A23 I 1/00, 3/00.

165659

Int. Cl. : H 01 r 39/00.

VACUUM INTERRUPTER.

Applicant : KABUSHIKI KAISHA MEIDENSHA OF 1-17, OHSAKI 2-CHOME, SHINAGAWA-KU, TOKYO, JAPAN.

Inventors : 1. SHINZO SAKUMA, 2. NOBUAKI TAMAKI, 3. HIDEO KAWAKAMI.

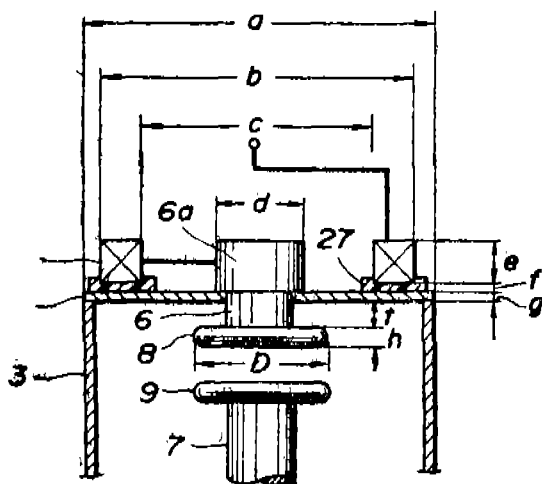
Application No. 396/Cal/86 filed May 28, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A vacuum interrupter comprising :

- a vacuum envelope including an electrically insulating cylinder;
- a pair of metallic stationary and movable-side end plates constituting part of the vacuum envelope and hermetically sealed to opposite open ends of the insulating cylinder, one of the end plates being a coil-side end plate;
- a pair of relatively movable disc-shaped contacts supported within the vacuum envelope, a movable contact being movable by a bellows from a closed position in conductive engagement with a stationary contact, and at an open position the movable contact separated from the stationary contact with an arcing gap therebetween across which an arc forms during circuit interruption, one of the contacts being a coil-side contact;
- a pair of electrical lead members each supporting and electrically connected to a corresponding contact; and
- a coil disposed outside the vacuum envelope and near the coil-side end plate for generating an axial magnetic field parallel to the path of the arc in the arcing gap, the said coil-side contact being made of a material superior in interruption performance to said coil-side end plate, and that the coil-side contact is mounted with a clearance to the coil-side end plate, the clearance being at least 2 mm and at most 30% of the diameter of the coil-side contact and further a vapour shield of a potential different from that of the other contact is provided within the insulating cylinder, the said other contact being larger in diameter than that of the coil-side contact.



Compl. specn. 31 pages

Drg. 6 sheets

METHOD FOR PRODUCING SHRIMP MEAT PASTE

Applicant & Inventor : EIICHI HATAKEYAMA, OF TAKANAWA TAUN, HAUSU 202, 1-13, TAKANAWA-2-CHOME, MINATO-KU, TOKYO, JAPAN.

Application No. 348/Cal/88 filed April 29, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A method for producing frozen shrimp meat paste usable for "surimi", comprising peeling shrimps to obtain stripped ones, washing stripped ones with fresh water, feeding washed stripped shrimps to a fish meat separator to collect the meat, but remove the remaining shells, barbels, triturating thus collected meat, characterized in that triturating is carried out in the presence of dried egg white and glycine.

Compl. Specn. 19 pages.

Drg. Nil

CLASS : 69-N.

165660

Int. Cl. A01h 33/00.

A SWITCHING DEVICE.

Applicant : SIEMENS AKTIENGESellschaft, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. GUNTHER ECKERT, 2. FRANZ SINGER.

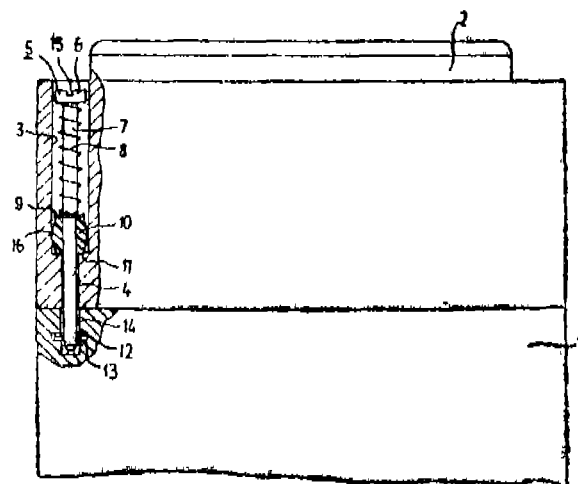
Application No. 658/Cal/88 filed August 3, 1988.

Division of Application No. 49/Cal/85 dt. 25th January 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A switching device comprising an arcing chamber which is formed by a base, a cover connected to the base, and at least one resilient clamping device which yieldingly connects together the cover and the base, in which the clamping device comprises two resiliently deformable members which have different resilient properties and which are arranged so that relative separation of the cover and the base initially causes yields of the more resilient member in advance of yielding of the less resilient member.



Compl. Specn. 10 pages.

Drg. 1 sheet

No. C1.—A61F 5/00.

165661

5 Claims.

AN ORTHOPAEDIC EXTERNAL FIXATOR DEVICE FOR POSITIONING FRAGMENTS OF A BONE.

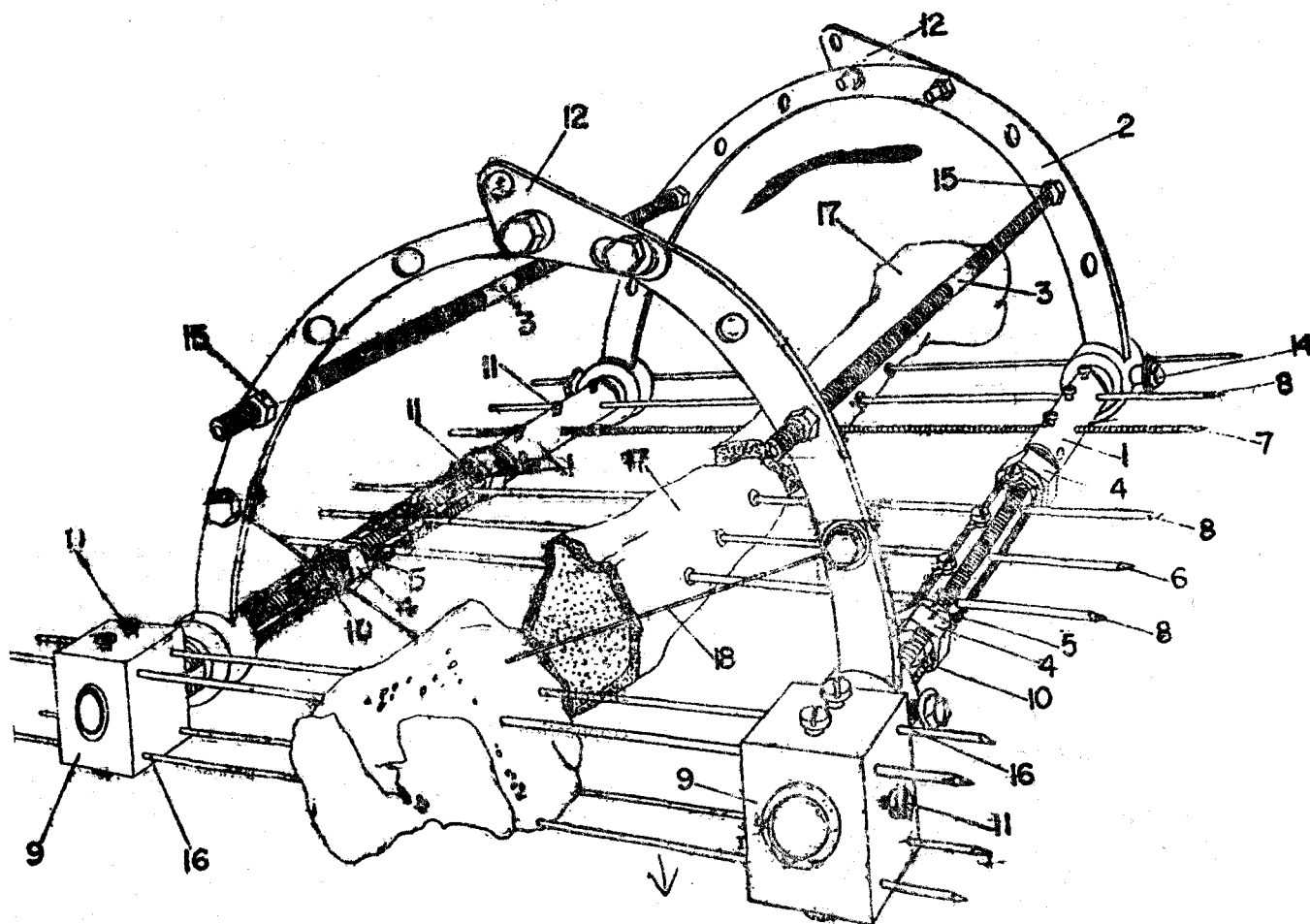
Applicant : CUBAN ENTERPRISE FOR THE IMPORT AND EXPORT OF MEDICAL PRODUCTS TRADING AS MEDICUBA OF MAXIMO GOMEZ STREET NO. 1, HAVANA CITY, CUBA, A CUBAN COMPANY.

Inventor : DR. RODRIGO ALVAREZ CAMBRAS.

Application No. 507/Mas/85 filed July 3, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

An orthopaedic external fixator device for positioning fragments of a bone, comprising structural means for positioning the bone, said structural means having a plane of symmetry at which the bone is generally positioned, said structural means having two spaced, generally parallel bars each with a solid section and a tubular section having an outer surface forming threads, said solid and said tubular sections having a plurality of spaced first and second holes, respectively, pair of pistons connected to said solid sections slidably mounted in said tubular sections, said pistons having a plurality of spaced third holes capable of being aligned with said second holes, plurality of spaced transfixing pins extending through the bone and positioned in said first, second and third holes aligned in a plane normal to said plane of symmetry, nut means threadably mounted to said threads of said tubular sections for locking said transfixing pins extending through said second holes and stop means for preventing transverse movement of said pins through the bone fragments and the first, second and third holes.



(Com.—12 pages; Drawgs.—2 sheets)

Int. Cl.⁴—H02K 7/00.

165662

IMPROVEMENTS IN OR RELATING TO FLYWHEEL MAGNETO ROTORS.

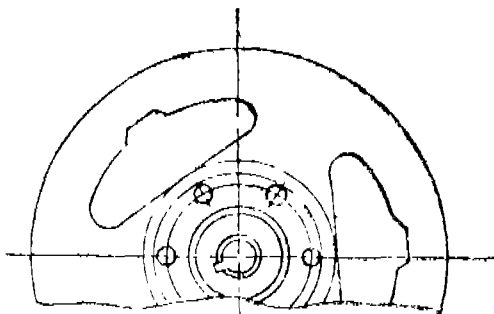
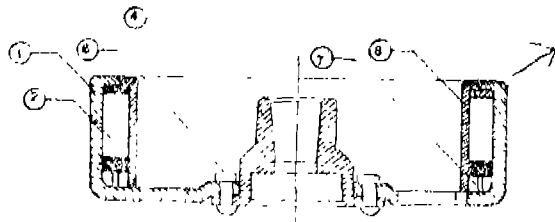
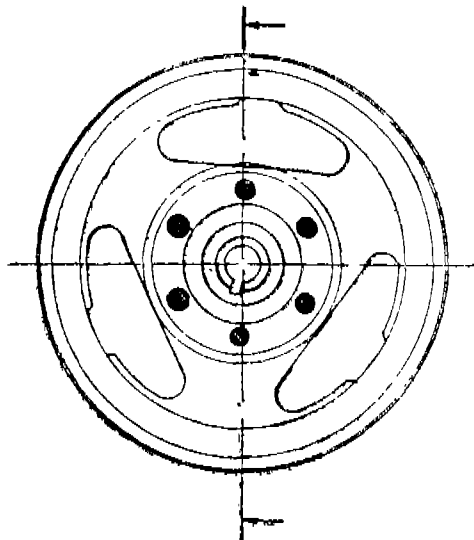
Applicant & Inventor : SHANMUGAM MURUGAVEL ANANDVEL, AN INDIAN CITIZEN, PROPRIETOR, HAWK ENGINES, 17-18, SINGARA GARDEN, 4TH STREET, MADRAS-600 021, TAMIL NADU, INDIA.

Application No. 557/Mas/85 filed July 18, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims.

A flywheel magneto rotor comprising a flywheel cup made out of M.S. Sheet metal with a hub of machined steel mounted thereon, a locating means provided at the inner periphery of said flywheel cup in order to locate a plurality of permanent magnets, a non-magnetic circular shell provided at the inner periphery of the magnets made out of Barium or Strontium Ferrite normally numbering four or six, a non magnetic shell provided concentric to the hub to hold permanently said magnets, the open face edge of the flywheel cup being rolled over said shall to fix the same and to totally enclose/encase the magnets therebetween.



(Com.—9 pages; Drwgs.—6 sheets)

Int. Cl.⁴—H04N 5/76.

165663

A VIDEO SIGNAL MAGNETIC REPRODUCING APPARATUS WITH AUTOMATIC HEAD RESONANCE FREQUENCY AND Q-FACTOR ADJUSTMENTS.

Applicant : VICTOR COMPANY OF JAPAN, LTD., OF NO. 12, 3-CHOME, MORIYA-CHO, KANAGAWA-KU, YOKOHAMA-SHI, KANAGAWA-KEN, JAPAN, A JAPANESE COMPANY.

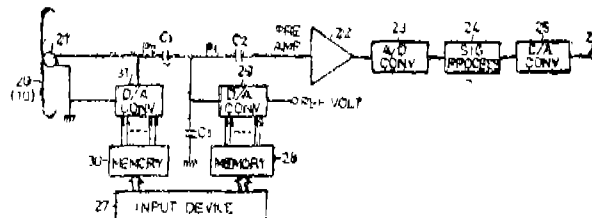
Inventors : (1) HIDETOSHI OZAKI, (2) AKIRA HIROTA, (3) YOSHIIHIKO OTA.

Application No. 558/Mas/85 filed July 18, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims.

A video signal magnetic reproducing apparatus with automatic head resonance frequency and Q-factor adjustments comprising: head resonance frequency varying means coupled between a reproducing magnetic head and a reproducing amplifier for varying a resonance frequency of a head resonance circuit, said head resonance frequency varying means being varied of an output control voltage thereof responsive to a digital data signal; quality factor varying means coupled between said magnetic head and said reproducing amplifier for varying the quality factor Q of said resonance circuit, said quality factor varying means being varied of the resistance thereof responsive to a digital data signal; and input means for varying data of the digital data signal which is supplied to said head resonance frequency varying means and the digital data signal which is supplied to said quality varying means.



(Com.—23 pages; Drwgs.—5 sheets)

Int. Cl.⁴—H04N 3/00; 9/00.

165664

RASTER SCAN DISPLAY SYSTEM.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventor : TOMOYUKI IWAMI.

Application No. 562/Mas/85 filed July 22, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims.

A raster scan display system comprising :

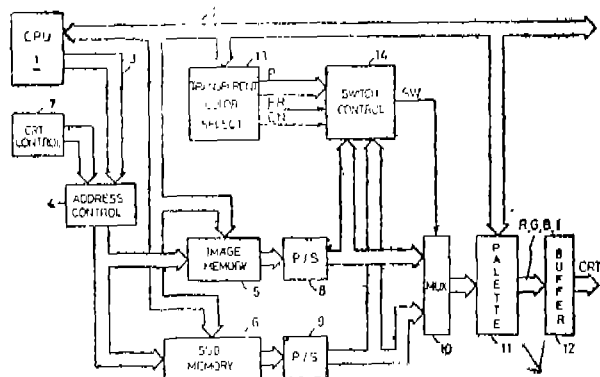
a plurality of memory means storing display data, each of said memory means being capable of storing one of a plurality of colour frame images;

memory access means for retrieving a plurality of streams of display data simultaneously from said plurality of memory means;

means for setting one or more reference colours part of which colour or colours in at least one of said colour frame images should appear as if the part is transparent;

means for comparing at least one of said plurality of streams of display data with said reference colour(s);

means responsive to the comparison for selecting colour data from said plurality of streams of display data and sending the data selected above to a display device,



(Com.—17 pages. Drawgs.—5 sheets)

Int. Cl.—F16G 5/04.

165665

A POWER TRANSMISSION BELT.

Applicant : MITSUBOSHI BELTING LTD., A JAPANESE CORPORATION, OF NO. 1-21, 4-CHOME, HAMAZOE-DORI, NAGATA-KU, KOBE-CITY, HYOGO, PREF, JAPAN.

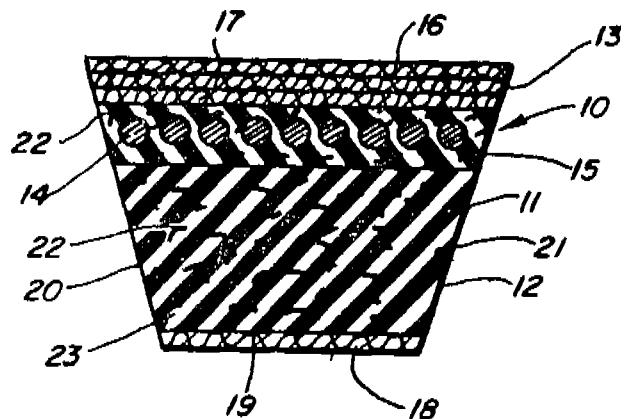
Inventors : (1) SATOSHI MASHIMO, (2) HAJIME KAKIUCHI, (3) MASAYOSHI NAKAJIMA.

Application No. 568/Mas/85 filed July 23, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

15 Claims.

A power transmission belt comprising a raw-edged inner compression section, an outer tension sectional and a plurality of longitudinally extending tensile cords intermediate said compression and tension sections, wherein said compression section comprising a rubber composition having dispersed therein ceramic powder present in the amount of 2 to 100 parts of ceramic powder to 100 parts of rubber by weight wherein a cushion rubber layer is provided intermediate of the said compression and tension sections, said tensile cords being embedded in said cushion rubber layer.



(Com.—18 pages. Drawgs.—1 sheet)

Int. Cl.: H 03 K 17/296

165666

A VARIABLE ISONATION PROGRAMMER FOR A SONIC SOOT CLEANING SYSTEM.

Applicant : PADMANABHAN PREETHAM, PROPRIETOR, LODESTAR, 13 WASAN STREET, NORTH T. NAGAR, MADRAS-600 017, TAMIL NADU, INDIA, INDIAN NATIONAL.

Inventor : G. CHANDRA SEHARAN.

Application No. 576/Mas/85 filed July 24, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A variable isonation programmer for a sonic soot cleaning system comprising a power module providing a regulated power supply from a source and incorporating a clock of predetermined resolution; at least one timer module connectable to the said system and receiving the output of the power module, the said timer module incorporating a pre-settable counter and first and second timing circuits, the first circuit providing at start reference point, a selectable initial time delay preset on the counter resulting in an initial time delay period during which the said system is de-activated; a second circuit providing, on the completion of the initial time delay period, a selectable ON period preset on the counter resulting in an ON period during which the said system is activated, followed by a selectable period during which the said system is de-activated, the said ON/OFF periods repeating in cyclic sequence; and a reset switch incorporated in the power module for interrupting the said sequence and re-setting the timer module to the start reference point.

Compl. Specn. 10 pages.

Drawgs. 2 sheets.

Int. Cl.: F 16 D 65/12

165667

A DISK PAD USED IN DISK BRAKES.

Applicant : AKEBONO BRAKE INDUSTRY CO., LTD., OF NO. 19-5, KOAMI-CHO, NIHONBASHI, CHUO-KU, JAPAN, A JAPANESE COMPANY.

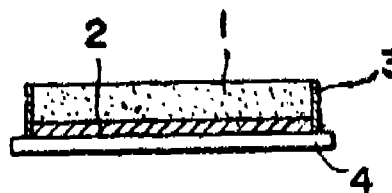
Inventor : NAGAO OGIHARA.

Application No. 590/MAS/85 filed July 30, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A disk pad used in disk brakes comprising a friction pad seated against a back metal, characterized in that the periphery of the pad and/or a part or whole of the side seated against the back metal are covered with a net of metallic or heat resistant fibres.



Compl. Specn. 5 pages.

Drawgs. 1 sheet.

Drwgs. 4 sheets

Int. Cl.⁴: F 16 D 65/22

165670

INTERNAL SHOE-DRUM BRAKE.

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventor : RICHARD EDGAR THOMPSON.

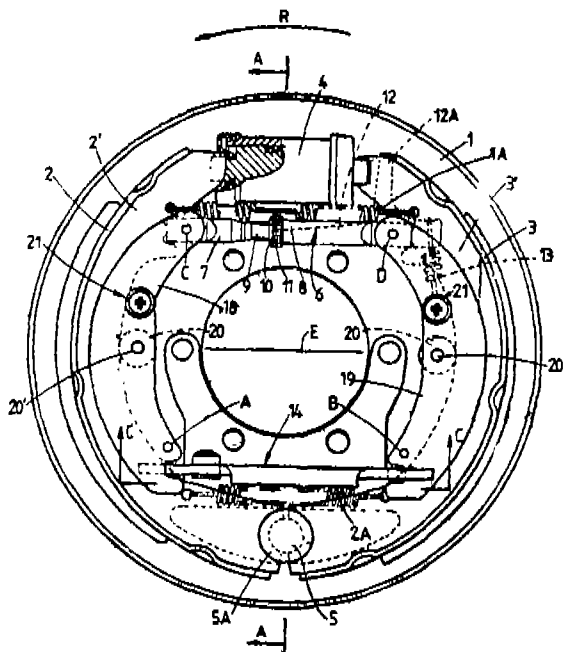
Application No. 615/Mas/85 filed August 7, 1985.

Convention date : 9th August, 1984, (No. 8420228; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

12 Claims

An internal shoe drum brake comprising a pair of arcuate brake shoes carried by a backplate, a first actuator disposed between one pair of adjacent shoe end portions and operable to expand the shoes into braking engagement with a brake drum for service operation a strut extending between the shoes at a location adjacent said one pair of adjacent shoe end portions, an abutment device disposed between and normally engaged by the other pair of adjacent shoe end portions, and a mechanical second actuator disposed adjacent to one of the pairs of shoe ends, a lever arm engaged adjacent one of its ends with one end of the strut and operatively associated with the second actuator, and force transmission means in the form of a rolling element carried by said arm and positioned to engage the adjacent brake shoe at an intermediate location along the shoe length, the arrangement being such that operation of the second actuator causes the lever arm to pivot on the strut and, in doing so, apply an actuating force via said force transmission means to said adjacent shoe at said intermediate location such as strut which takes place upon contact of the shoe with the rotating drum under said actuating force.



Compl. Specn. 16 pages.

Drwgs. 4 sheets.

Int. Cl.⁴: D21D 1/20

165671

PROCESS FOR RECOVERING ORGANIC COMPOUNDS FROM PULP MILL EFFLUENT STREAMS.

Applicant : PROGRESS EQUITIES INCORPORATION, OF 270 FIRST AVENUE SOUTH ST. PETERSBURG FLORIDA, 33733 U.S.A. A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATES OF FLORIDA, U.S.A.

Inventor : WILLIAM WES BERRY.

Application for Patent No. 950/Del/85 filed on 15th Nov. 85.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-5.

4 Claims

A process for recovering organic compounds as herein described from pulp mill effluent streams as herein described having a PH greater than 7.0 comprising precipitating a portion of said organic compounds from the effluent, filtering the effluent, passing the filtrate through a carbon bed for adsorption of said organic compounds, and recovering said organic compounds from the carbon bed characterised in that precipitation is effected at a PH below 4 by adding a mineral acid to the effluent and in that organic compounds is recovering by passing a caustic solution over said carbon bed for removal of adsorbed organic compounds from the carbon and their dissolution into the caustic solution and separating in the manner as herein described the organic compounds from said caustic solution.

Compl. Specn. 14 pages.

Drwg 1 Sheet.

Ind. Cl. : 206C

165672

Int. Cl.⁴: G01S 9/02.**A CIRCUIT FOR ADAPTING THE POST INTEGRATION IN A SWITCHED PULSE REPETITION FREQUENCY RADAR.**

Applicant : THOMSON-CSF, A FRENCH COMPANY, OF 173 BOULEVARD HAUSSMANN, 75008 PARIS, FRANCE.

Inventor : PHILIPPE LACOMME.

Application for Patent No. 1003/Del/85 filed on 28th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-5.

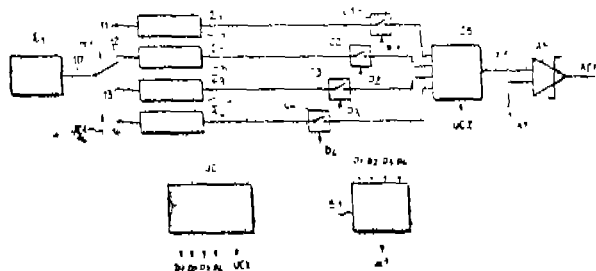
4 Claims

A circuit for adapting the post integration in a switched pulse repetition frequency radar having antenna reception circuits delivering a detected signal over an output link comprising :

- a switch having an input connected to a link of the reception circuits and a given number of outputs each corresponding to a recurrence frequency of the radar, said switch connecting said input thereof to one of said outputs thereof corresponding to the current pulse repetition frequency;
- a plurality of summing registers connected to each said output of said switch and delivering at outputs of said summing registers a summed signal value;
- a circuit for elaborating the threshold level signals each said threshold level signal corresponding to the number of pre-detected signals, said circuit for elaborating threshold level signals connected to said summing registers;
- at least one summing circuit connected to the outputs of the summing registers, said summing circuit (CS) for summing the signals delivered at the outputs of the summing registers;
- a comparator circuit connected on the one hand to the summing circuit receiving integration results and, on the other hand, to the circuit for elaborating threshold level signals, and delivering an output signal when an integration results exceeds the value of the threshold

level corresponding to the number of recurrence outputs having supplied a detection signal;

a control unit delivering successive combinations of control signals each controlling the closure of a plurality of further switches connected to said control unit, said summing registers and said summing circuit, said control signal combinations each controlling the circuit for elaborating threshold level signals so that it delivers each time a threshold level signal in relation with the number of control signals.



Compl. Specn. 16 pages.

Drwgs. 5 sheets.

Ind. CLASS : 170B

165673

Int. CL⁴ : C 11 D 1/90.

A CONCENTRATED AQUEOUS SINGLE-PHASE HOMOGENEOUS BUILT LIQUID DETERGENT COMPOSITION.

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A, OF 300 PARK, AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventor : MICHAEL CHRISTOPHER CROSSIN.

Application for Patent No. 1012/Del/85 filed on 2nd December, 1985.

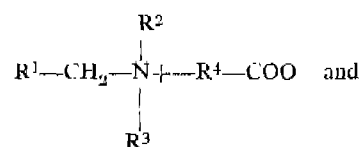
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

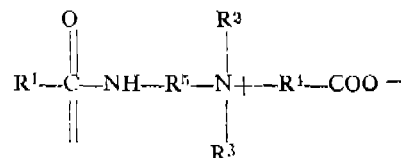
A concentrated aqueous single-phase homogeneous built liquid detergent composition comprising :

- from 15 to 18%, by weight, of a water-soluble non-phosphate detergent builder salt of the kind such as herein described;
- from 15 to 23%, by weight, of a surface active nonionic detergent compound which is the condensation product of 5 to 9 moles of ethylene oxide with with one mole of an alphatic alcohol containing 12 to 15 carbon atoms;
- from 1 to 6%, by weight, of at least one amphoteric detergent compound selected from the group consisting of :

(i) betaine detergent compounds having the structure :



(ii) alkyl amido betaine detergent compounds having the structure :



wherein R¹ is an alkyl or a mixture of alkyls containing 9 to 13 carbon atoms, R² and R³ are independently methyl or ethyl and R⁴ and R⁵ are independently methylene, ethylene or propylene radicals;

(d) from 5 to 8%, by weight, of a solubilizer consisting essentially of an alkali metal salt of octyl phosphonate; and

(e) from 35 to 65%, by weight, water.

Compl. specn 20 pages.

Ind. CLASS : 170B.

165674

Int. CL⁴ : C 11 D 1/90.

A CONCENTRATED AQUEOUS SINGLE-PHASE HOMOGENEOUS BUILT LIQUID DETERGENT COMPOSITION.

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A, OF 300 PARK, AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventor : MICHAEL CHRISTOPHER CROSSIN.

Application for Patent No. 1013/Del/85 filed on 2nd December, 1985.

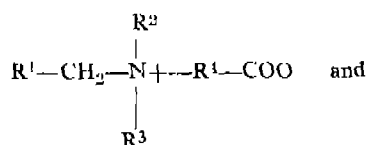
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

20 Claims

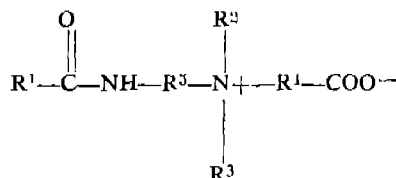
A concentrated aqueous single-phase homogeneous built liquid detergent composition comprising :

- from 15 to 18%, by weight, of a water-soluble non-phosphate detergent builder salt of the kind such as herein described;
- from 15 to 23%, by weight, of a surface active nonionic detergent compound which is the condensation product of 5 to 9 moles of ethylene oxide with with one mole of an alphatic alcohol containing 12 to 15 carbon atoms;
- from 1 to 6%, by weight, of at least one amphoteric detergent compound selected from the group consisting of :

- (i) betaine detergent compounds having the structure :



- (ii) alkyl amido betaine detergent compounds having the structure :



wherein R^1 is an alkyl or a mixture of alkyls containing 9 to 13 carbon atoms, R^2 and R^3 are independently methyl or ethyl and R^4 and R^5 are independently methylene, ethylene or propylene radicals;

- (d) from 5 to 8%, by weight, of a solubilizer selected from the group consisting of alkali metal salts of (i) nonyl succinic anhydride and (ii) nonyl maleic anhydride; and
(e) from 35 to 65%, by weight, water..

Compl. specn. 20 pages.

Drg. 1 sheet

Ind. CLASS : 55F

165675

Int. Cl.⁴ : C12Q—1/02; 1/06.

APPARATUS FOR AUTOMATICALLY PERFORMING MEDICAL ANALYSIS OF SAMPLES.

Inventor & Applicant : JEAN GUIGAN, A FRENCH CITIZEN OF 9 RUE JEAN MERMOZ, 75008 PARIS, FRANCE.

Application for Patent No. 1017/Del/85 filed on 3rd December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

Apparatus for automatically performing medical analysis of samples of the identity biogram and the antibiogram type, said apparatus comprising :

an enclosure comprising a supporting table and a transparent lid together with means for regulating the temperature within the enclosure;

said supporting table being provided with :

a central turntable (3) together with means (31, 33) for causing it to rotate about a vertical axis, said turntable having a diametrically extending groove (30);

a peripheral ring (5) which is coplanar and coaxial with said central turntable, said ring including means (32, 34) for causing it to rotate step-by-step independently from said central turntable, and having a plurality of radial housings (10), a plurality of conditioning strips (200) each comprising at one extremity thereof, a culture enclosure (203) for receiving said sample, each said culture enclosure communicating with one of said radial housings, the width of each said conditioning strips being less than that of said diametrically extending groove, each said conditioning strips also having a "n" number of reaction chambers aligned side by side;

a gantry disposed over said peripheral ring and supporting firstly mechanical means (40) for shifting a said

conditioning strip from a radial housing in said ring into the groove of said turntable, and vice versa, and secondly a turbidimeter (75) and a photometer (80), said turbidimeter being situated in the vicinity of the inside diameter of said ring over the zone of a radial housing which receives the culture enclosure of a strip, and said photometer having "n" read heads (81) situated over the zone of a housing in the ring which receives the "n" reaction chambers of said strip; and

a central control unit connected to each of the above mentioned means for operating each of said means.



Compl. specn. 18 pages

Drg. 17 sheets

Int. CLASS⁴ : B 65 D 37/00, 89/00.

165676

FLEXIBLE CONTAINER FOR TRANSPORT AND STORAGE OF BULK MATERIAL..

Applicant : NORSE HYDRO A.S., OF BYGDY ALLE 2, 0257 OSLO 2, NORWAY OF NORWEGIAN COMPANY.

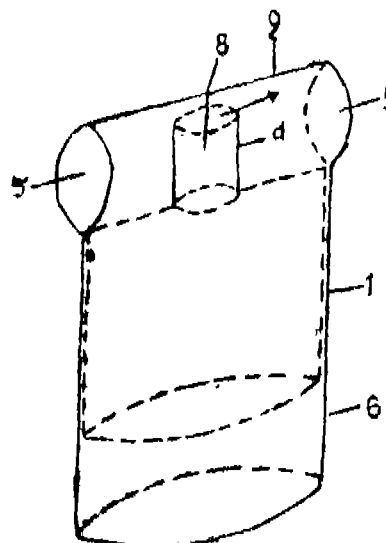
Inventors : EIRIK MYKLEBUST & BJARNE OMDAL.

Application for Patent No. 1018/Del/85 filed on 3rd December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

Flexible container (6) for transport and storage of bulk material wherein the container (6) comprises integrated lifting loops (9) which are direct extensions of the container's walls and which form openings (5) for placement therein of lifting means, characterised in that in the upper part of the container (6) a partition wall (1) having a branch pipe (b or d), preferably of flexible material is fastened to said container's walls, said partition wall separating the lifting loops from the lower cargo compartment of the container (6) and that the branch pipe (b or d) services as filling spout.



Compl. specn. 11 pages

Drg. 1 sheet

Ind. CLASS : 84 B

165677

Int. Cl.⁴ : C10L 1/30.

AN ADDITIVE COMPOSITION FOR IMPROVING THE FLOW OF A DISTILLATE FUEL SOLUTION.

Applicant : EXXON RESEARCH AND ENGINEERING COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF FLORHAM PARK, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : BRAZIER JOHN RICHARDSON TINDALL, TACK ROBERT DRYDEN & LEWTAS KENNETH.

Application for Patent No. 1032/Del/85 filed on 5th December, 1985.

Ante-dated to 27th May, 1982.

Convention date November 20, 1981/135071/(U.K.).

Divisional to Application No. 401/Del/82 filed on 27th May, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

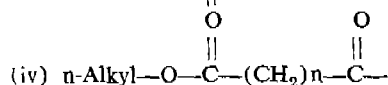
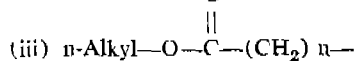
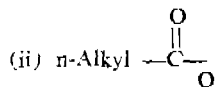
3 Claims

An additive composition for improving the flow of a distillate fuel solution, said composition comprising (1) 3 to 75% wt. of an ester, ether or ester/ether or mixtures thereof of the general formula :



where R and R¹ are the same or different and may be :

(i) n-Alkyl



the alkyl group being linear and saturated and containing 10 to 30 carbon atoms and acid, and A is a polyoxyalkylene glycol of molecular weight 100 to 5,000 wherein the alkylene group contains from 1 to 4 carbon atoms and (2) the balance amount being a wax crystal growth inhibitor selected from an ethylene copolymer wax crystal growth inhibitor and a C₈—C₃₀₀ oil soluble polar nitrogen compound wax crystal growth inhibitor being an amine and/or amide salt and/or ester/amide of a carboxylic acid having 1 to 4 carboxylic acid groups or an anhydride thereof.

Compl. specn. 45 pages.

Int. Cl.⁴ : B65D 1/00; B65D 37/00; B65D 90/00. 165678

"FLEXIBLE CONTAINER FOR TRANSPORT AND STORAGE OF BULK MATERIAL".

Applicant : NORSK HYDRO a.s., A NORWEGIAN COMPANY, OF BYGDY ALLE 2, 0257 OSLO 2, NORWAY.

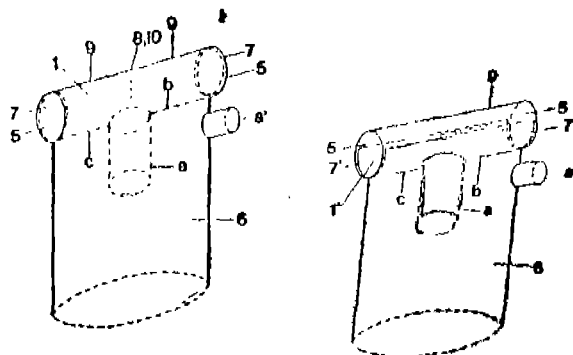
Inventor(s) : ERIK MYKLEBUST & BJARNE OMDAL.

Application for Patent No. 1035/Del/85 filed on 6th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

10 Claims

Flexible container for transport and storage of bulk material, which container (6) comprises integral lifting loops (9) which are direct extensions of the container's (6) walls and which form openings (5) for placement therein of lifting means, wherein the upper part of the container (6) has tubular lifting loops (9) and further comprises a partition member (1, 1'), preferably of flexible material, which separates and can close off the rest of the container (6) from the lifting loops (9) where the partition member (1, 1') is fastened along the tubular openings (5) of the loops of the container (6) and during lifting of the container is pressed tightly against the container's walls and that the partition member (1, 1') further comprises one or more filling spouts which form integral parts of the same.



Compl. specn. 15 pages

Drgs. 2 sheets

Int. Cl.⁴ : H01F 21/00.

165679

"VARIABLE INDUCTOR".

Applicant : HYDRO-QUEBEC, A CANADIAN STATE-OWNED COMPANY BELONGING TO THE PROVINCE OF QUEBEC, OF 75 WEST, DORCHESTER BOULEVARD, MONTREAL (QUEBEC), CANADA H2Z 1A4.

Inventor : LEONARD BOLDUC.

Application for Patent No. 1071/Del/85 filed on 17th December, 1985. Convention date January 16, 1985/472204 (Canada).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

29 Claims

Variable inductor comprising :

a magnetic core provided with three limbs each having a first end and a second end, said first ends being interconnected through a first common point of the magnetic core, and said second ends being interconnected through a second common point of said magnetic core;

primary winding means connected to a source of electric energy supplying said primary winding means with an alternating current, said primary winding means being wound around at least one of said three limbs whereby said alternating current induces an alternating magnetic flux in a first one and in a second one of said three limbs;

control winding means supplied with a direct current varying in amplitude, and wound around at least one of said three limbs whereby said direct current induces in the first limb a direct current magnetic flux with assist the alternating magnetic flux or which is in opposition with respect to said alternating flux when the alternating current has a positive or negative value, respectively, and in the second limb a direct current magnetic flux which is in opposition with respect to the alternating magnetic flux or which assist said alternating flux when the alternating current has a positive or negative value, respectively, the direct current magnetic flux induced in each of the first and second limbs having a density which varies with the amplitude of said direct current for thereby varying the impedance of the primary winding means; and

mean connected to said control winding means for supplying the control winding means with said direct current varying in amplitude;

said first limb comprising gap means traversed by the resultant magnetic flux induced in this first limb, and said second limb comprising gap means traversed by the resultant magnetic flux induced in this second limb.

Compl. specn. 31 pages.

Drgs. 5 sheets

CLASS : 128 E, G.

165680

Int. Cl.⁴ : H 04 R 1/34.

"A CLINICAL ULTRASOUND APPARATUS".

Applicant : DYMEX CORPORATION, OF 136, GAMMA DRIVE PITTSBURGH, PENNSYLVANIA 15238, U.S.A. A CORPORATION OF THE STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventor(s) : TERANCE MATZUK.

Application for Patent No. 1090/Del/85 filed on 19th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-5.

10 Claims

a selected bandwidth ultrasound transceiver for use with a medium which causes the frequency and amplitude aspects of a propagated ultrasound signal to be altered and an ultrasound transducer (406) in acoustic communication with said medium, said transceiver comprising :

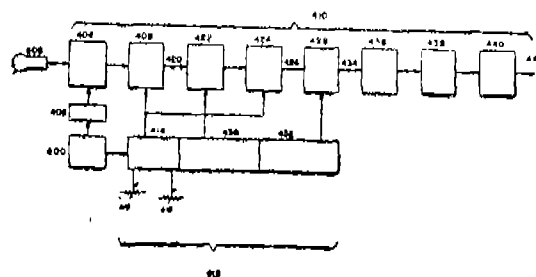
an ultrasound signal generator (402) to generate a signal having a selected amplitude and frequency;

an energizer (400) connected to said transducer (406) to energize said transducer (406) to generate a signal for propagation through said medium, said transducer (406) providing a reflection signal representing the receipt of reflections of said propagated signal from said medium;

and a receiver (410) connected to said transducer (406) to receive said reflection signal, said receiver (410) having :

a bandpass filter (422, 428) to receive and filter said reflection signal, said bandpass filter having selectively variable high and low frequency cutoff characteristics; and

a detector (438) connected to said bandpass filter (422, 428) that provides an output signal in response to the output of said bandpass filter (422, 428) wherein the amplitude variations of said output signal of said detector (438) describe reflective characteristics of said medium and relative time intervals correspond to medium reflectivity at corresponding medium depths.



Compl. specn. 29 pages

Drgs. 14 sheets

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. Nos. 160890 & 160891. NIKY TASHA INDIA PRIVATE LIMITED, E-1 & 2, Mahajan House, NDSE, Part II, New Delhi-110 049, India, an Indian Company. "Cooking Appliance". 19th April, 1989.

- Class 1. No. 160898. NIKY TASHA INDIA PRIVATE LIMITED, E-1 & 2, Mahajan House, NDSE, Part II, New Delhi-110 049, India, and Indian Company. "Gas Cooking Appliance". 20th April, 1989.
- Class 1. No. 160990. PRAKASH JHAMANDAS BHALLA, Indian National, of 256, Yusuf Meharali Road, Bombay-400 003, in the State of Maharashtra, India. "Polisher-cum-Chamferer for the edges of plates". 16th May, 1989.
- Class 1. No. 161059. Oy Sekko AB, a Finnish Joint Stock Company, of Kipinatie 1, 06100 Porvoo, Finland. "A Flash barrier for an Insulant-coated overhead wire". 7th June, 1989.
- Class 1. No. 161448. Rajguru Textile Engineers Private Limited a company incorporated under the Indian Companies Act, 1956, of Vatva Village, Near Mata's Mandir, Vatva-382 440 Dist. Ahmedabad, State of Gujarat, India. "Waste Disposer". 18th September, 1989.
- Class 3. Nos. 160723 & 160724. N. D. Sharar, 81, 3rd Main Road, Rajajinagar Industrial Town, Bangalore-560 044, Karnataka State, India, an Indian Citizen. "Shoe Brush". 14th February, 1989.
- Class 3. Nos. 160899, 160900, 160902, 160906, 160909, 160910 & 160911. Metro Tyres Limited, B-27, Focal Point, Ludhiana-10, (Punjab), India (An Indian Company duly registered under the Companies Act, 1956) of the above address. "Tyres". 20th April, 1989.
- Class 3. No. 161106. Nintendo Co., Ltd., of 60, Fukuine Kamitakamatsu-cho, Eigashiyama-ku, Kyoto Japan, a Japanese Corporation. "a Cartridge for Hand-held electronic game". 27th June, 1989.
- Class 3. No. 161449. Rajguru Textile Engineers Private Limited, a company incorporated under the Indian Companies Act, 1956, of Vatva Village, Near Mata's Mandir, Vatva-382 440, Dist. Ahmedabad, State of Gujarat, India. "Waste Disposer". 18th September, 1989.
- Class 10. No. 160963. Bata India Limited, 30, Shakespeare Sarani, Calcutta-700 017, West Bengal, India. "For the footwear". 3rd May, 1989.

Copyright Extended for the Second period of five years

Nos. 154533, 153571. Class-1

Nos. 158197, 160525, 157431. Class-3.

R. A. ACHARYA,
Controller General of Patents,
Designs and Trade Marks